<u>A</u><u>MENDMENTS TO THE</u> <u>C</u><u>LAIMS</u>

This listing of claims will replace all prior versions of claims in the application:

Listing of Claims:

1.   (Currently amended) A <u>computer-implemented</u> system for accessing data, ~~the system~~ ~~stored on computer storage medium, the system~~ comprising:

a parser that receives and parses information associated with a data source;

a data document component that receives a portion of the parsed information, the data document component stores a hierarchical model representation of the portion of the parsed information associated with the data source; and

a data set component that receives the portion of the parsed information, the data set component stores a relational model representation of the at least a portion of the parsed information associated with the data source[[;]] <u>,</u> the data set component and the data document component coordinate to enable ~~access to the portion of the parsed information in either~~ ~~representation such that~~ changes <u>made</u> to the portion of the parsed information <u>stored in the</u> <u>hierarchical model representation to be synchronized to the relational model representation and</u> <u>changes made to the portion of the parsed information stored in the relational model</u> <u>representation to be synchronized to the hierarchical model;</u>

<u>wherein memory coupled to a process retains the parser, the data document component,</u> <u>the data set component or combinations thereof.</u> ~~performed~~ *~~via~~* ~~the representation accessed are~~ ~~synchronized to the other representation~~.

2.   (Currently amended) The system of claim 1, the data source ~~being~~ <u>is</u> a relational database.

3-7.   (Cancelled)

8.   (Currently amended) A system stored on computer storage medium, the system facilitating access to data, comprising:

an XML data document component that stores a hierarchical model representation of data in an XML source document; and

a data set component that stores a relational model representation of a portion of the data in the XML source document, the XML data document component facilitates access to the hierarchical model representation of the data and propagates changes to the data *via* the hierarchical model to the relational model representation of the data set component according to a mapping between the XML data document component and the data set component, the data set component enables relational access to the portion of the data in the relational model representation and propagates changes to the portion of the data to the hierarchical model representation of the data store by the XML data document component;

wherein memory coupled to a processor retains the XML data document component, the data set component or combinations thereof.

9.   (Cancelled)

10.   (Previously presented) The system of claim 8, further comprising an XML parser that retrieves information from the XML source document and sends the information to the XML data document component and the data set component.

11-29. (Cancelled)

30.   (Previously presented) The system of claim 1, the data set component comprises a structural inference component that infers a relational model structure of the data source.

31.   (Previously presented) The system of claim 1, the data set component comprises a schema component that receives a schema describing a relational model structure of the data source.

32.   (Previously presented) The system of claim 10, the data set component further comprising a structural inference component that infers a relational model structure of the XML source document.

33.   (Previously presented) The system of claim 10, the data set component further comprising a schema component that receives a schema describing a relational model structure of the XML source document.

34.   (Currently amended) Computer-executable instructions <u>stored upon a computer-readable storage medium, the instructions perform</u> <s>for performing</s> a method <s>of accessing data, the computer-executable instructions stored on one or more computer-readable media, the method</s> comprising;

        parsing data from a data source;

        mapping a hierarchical model representation of at least some of the parsed data <s>and</s> <u>to</u> a relational model representation of at least some of the parsed data <s>to each other</s>; and

        synchronizing changes made to the hierarchical model representation of the least some of the parsed data with the relational model representation of the at least some of the parsed data <u>based at least in part on the mapping</u>.

35.   (Currently amended) A system retained upon a computer-readable storage medium ~~for accessing data, the system stored on one or more computer-readable media~~, the system comprising: [[;]]

means for parsing information associated with a data source, the data source includes at least one of an XML document or a database;

means for constructing a hierarchical model representation of at least a first portion of the parsed information; ~~, the hierarchical model representation is an unstructured data model;~~

means for constructing a relational model representation of at least a second portion of the parsed information; ~~, the relational model representation is a structured data model;~~

means for mapping the first portion of parsed information in the hierarchical model representation with an overlapping segment of the second portion of the parsed information ~~and a~~ in the relational model representation, the overlapping segment comprises parsed data included in the first portion and the second portion;

means for synchronizing changes made to the overlapping segment via the hierarchical model representation with the relational model representation; and

means for synchronizing changes made to the overlapping segment via the relational model representation with the hierarchical model representation.

36.   (New) A computer-implemented system that facilitates access to data, comprising:

a parser that extracts data from a data source, the data source is at least one of an XML document or a relational database;

a data document component that retains at least a portion of the extracted data from the data source as a hierarchical representation, the data document component enables access to the portion in a hierarchical manner;

a data set component that retains at least a portion of the extracted data from the data source as a relational representation, the data set component enables access to the portion in a relational manner; and

the data document component and the data set component coordinate to maintain synchronization, the hierarchical representation is mapped to at least some of the relational that corresponds to same data from the data source, the data document component propagates changes to the hierarchical representation to the data set component based upon a mapping and the data set component propagates changes to the relational representation to the data document component based upon the mapping.

37.   (New) The system of claim 1, the data source is an XML document.

38   (New) The system of claim 1, the data set component enables access to the relational model representation in accordance with access to a relational database.

39   (New) The system of claim 1, the data document component enables access to the hierarchical model representation in accordance with access to an XML document.

40.   (New) The system of claim 8, the data set component enables access to the relational model representation as a relational database.

41.   (New) The system of claim 8, the XML document component enables access to the hierarchical model representation as an XML document.

42.   (New) The computer-readable instructions of claim 34, the data source is an XML document.

43.   (New) The computer-readable instructions of claim 34, the instructions further performing:

       inferring a relational model structure of the XML document; and

       employing the inferred relational model structure to create the relational model representation;

44.   (New) The system of claim 35, further comprising:

       means for receiving a schema related to the XML document; and

       means for constructing the relational model representation based at least in part on the received schema.

45.   (New) The system of claim 35, further comprising:

       means for inferring a relational model structure of the XML document; and

       means for constructing the relational model representation based at least in part on the inferred relational model structure.